



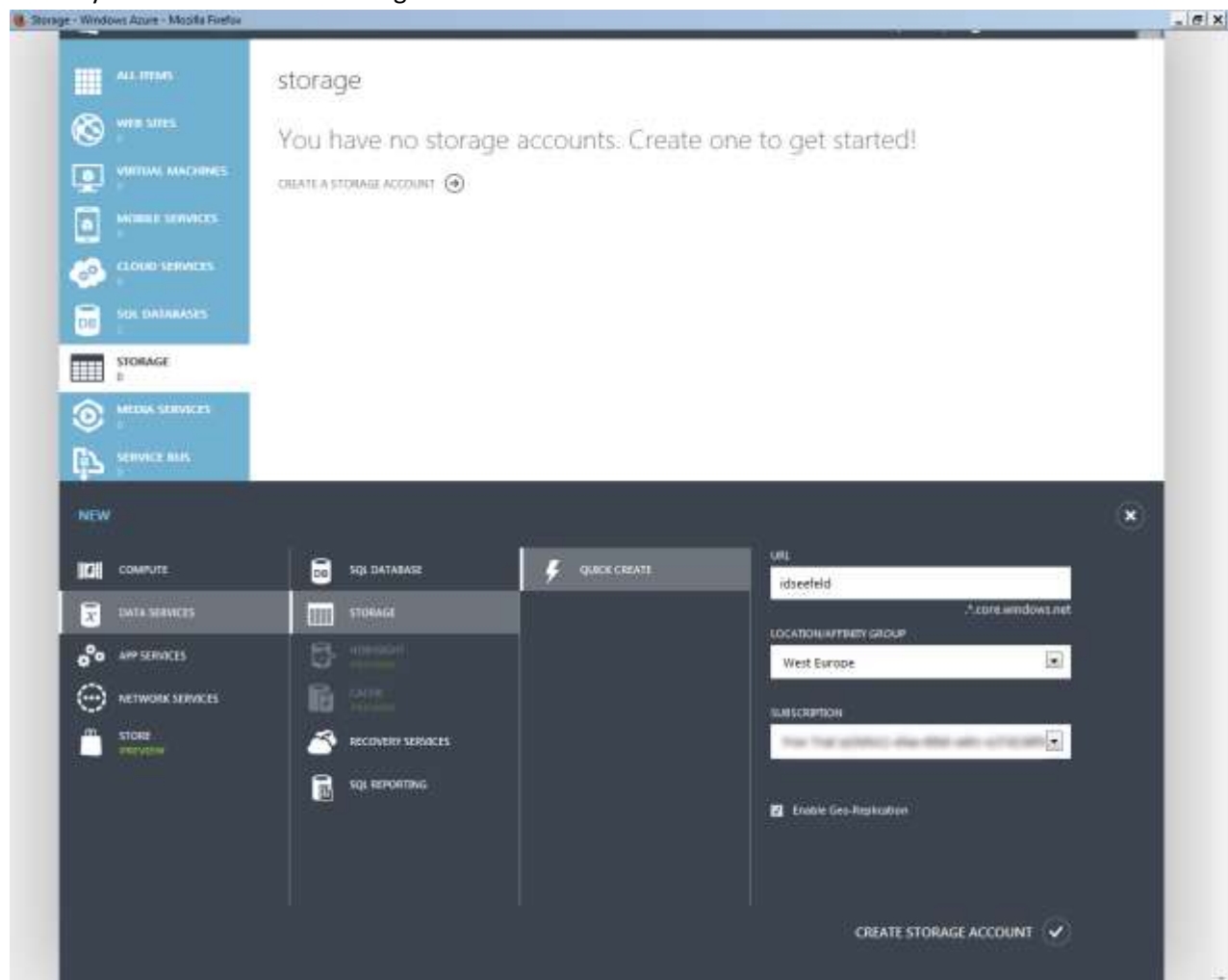
Azure Blob Storage Provider Documentation (Version 1.0.10)

What is the Azure Blob Storage Provider for Umbraco?

The Azure Blob Storage Provider replaces Umbraco's default provider for media files. **Full trust is required!**

The following steps show how to setup the ABSP:

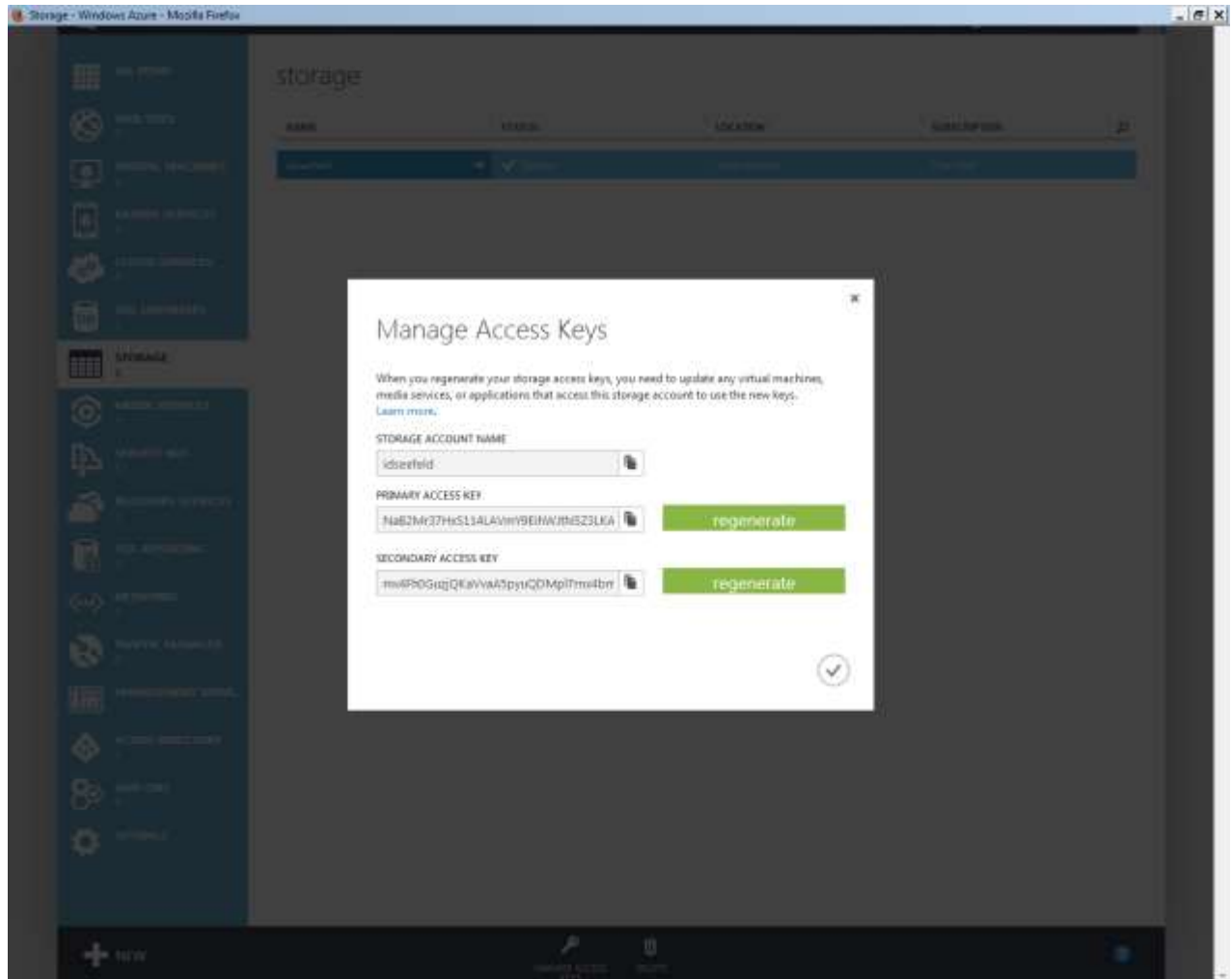
1. At first you create the Azure storage.



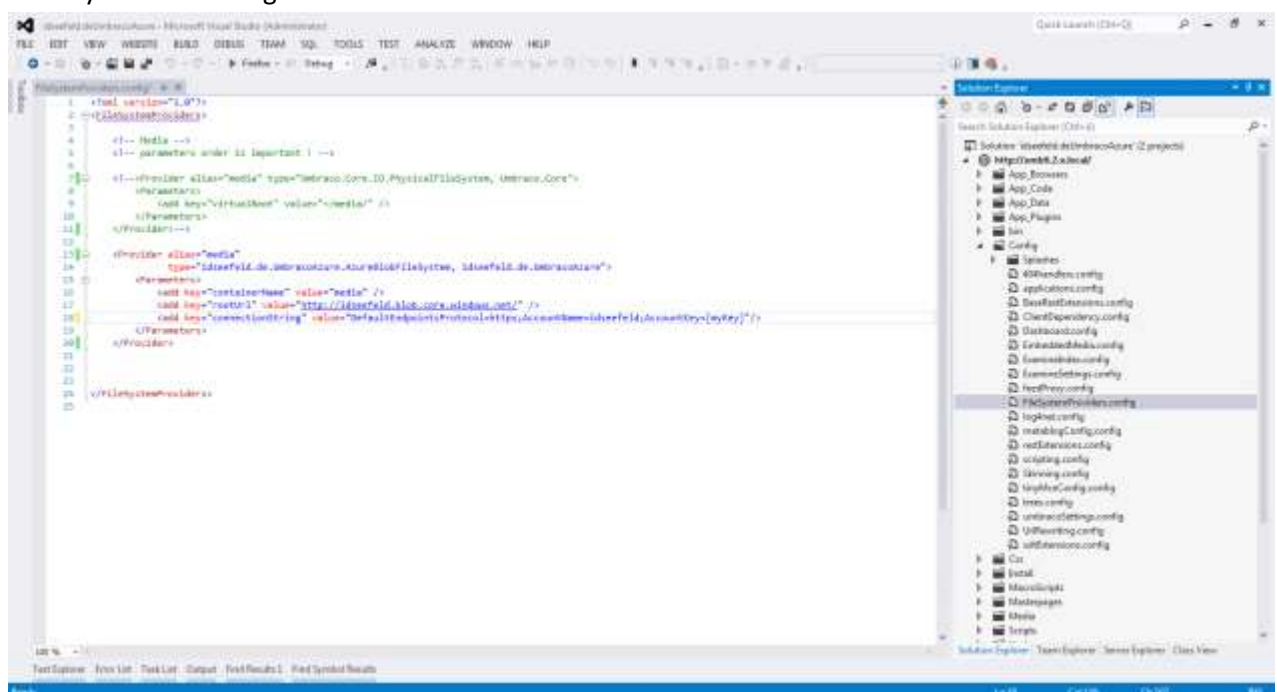
The Result



- Copy one of the two generated keys.



- Open file `~/Config/FileSystemProviders.config` of your Umbraco installation and paste your account name and key into the configuration:



```

<?xml version="1.0"?>
<FileSystemProviders>
  <!-- Media -->
  <!-- parameters order is important ! -->

  <Provider alias="media"
            type="idseefeld.de.UmbracoAzure.AzureBlobFileSystem,
idseefeld.de.UmbracoAzure">
    <Parameters>
      <add key="containerName" value="media" />
      <add key="rootUrl" value="http://[myAccountName].blob.core.windows.net/" />
      <add key="connectionString"
value="DefaultEndpointsProtocol=https;AccountName=[myAccountName];AccountKey=[myAccountKey]"/>
      <add key="mimetypes" value="" />
      <add key="cacheControl" value="*|public, max-age=31536000;js|no-store" />
    </Parameters>
  </Provider>
</FileSystemProviders>

```

You can configure Cache-control for several file types. Add your settings to the parameters with key="cacheControl". Start with the wildcard (*) setting and separate the file type extension by | (pipe) from the cache-control settings. Separate each **file type | cache-control** group by ; (semicolon).

Allowed cache-controls are:

public *or* public, max-age=12345678 (*or simply*: max-age=12345678)

private *or* private, max-age=12345678

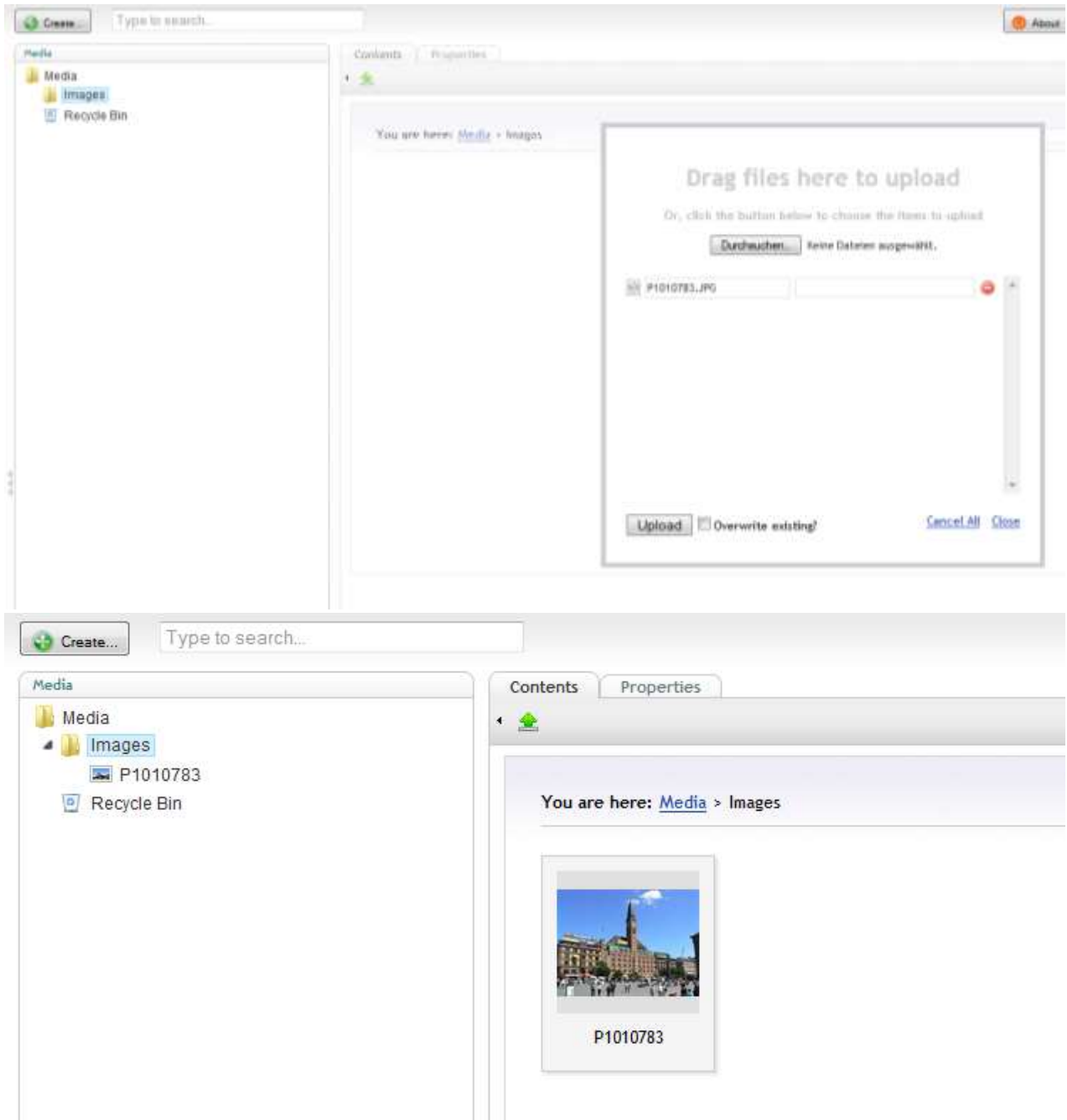
no-store

no-cache

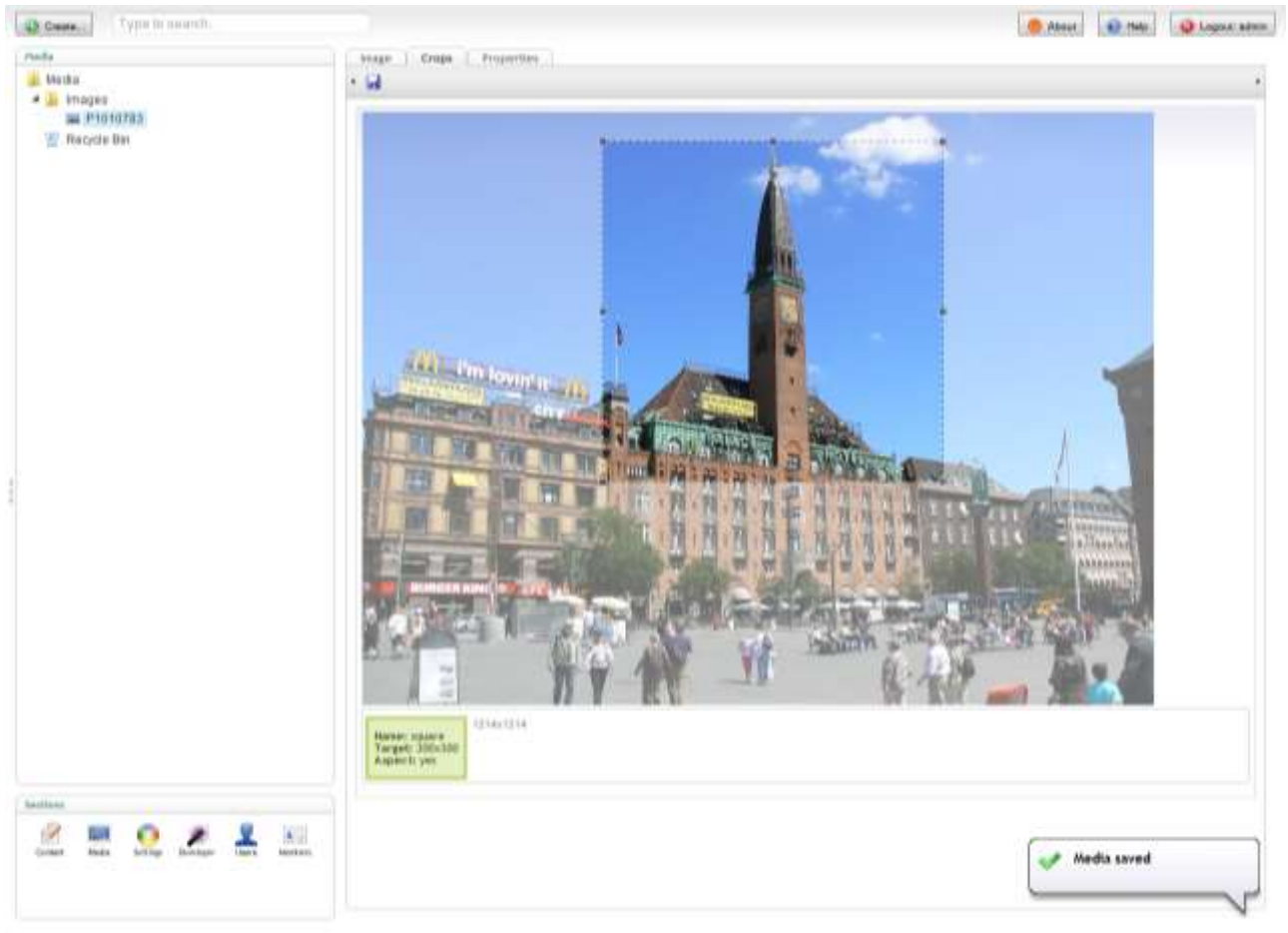
The max-age value is defined in seconds - i.e. 31536000 means one year (60 x 60 x 24 x 365).

For backward compatibility you have to add mimetypes and cacheControl keys. However, you can leave the value of mimetypes blank.

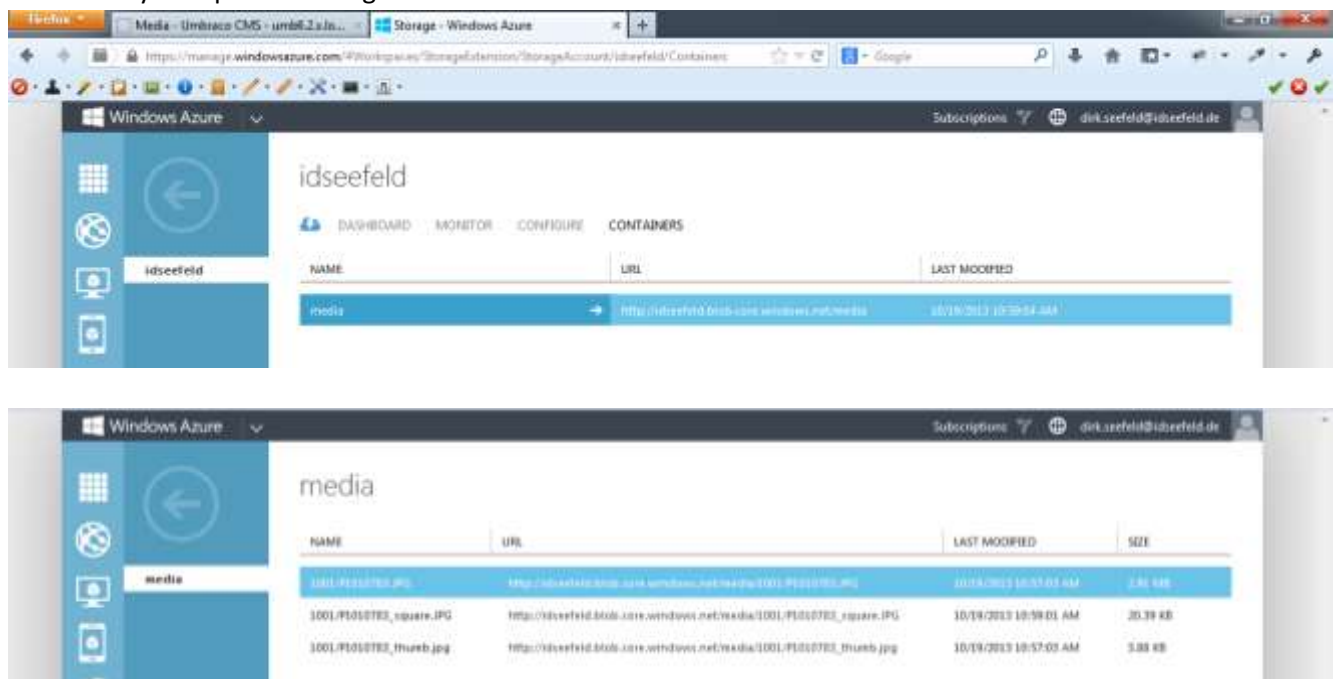
4. Restart the web server (e. g. touch web.config) and upload an image.



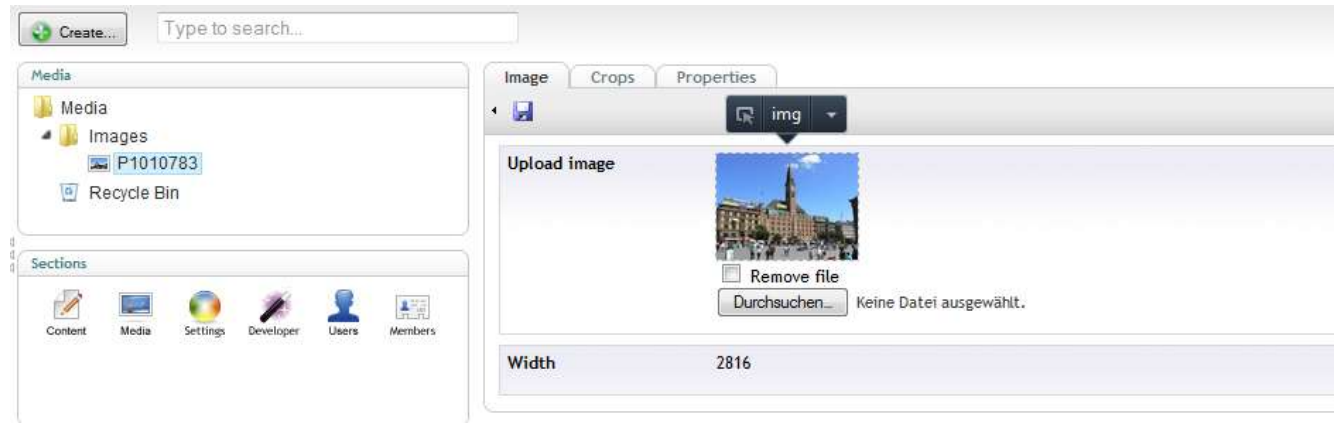
In my example I have previously installed the [Image Cropper Extended](#) and defined crops for media and content (for details see Image Cropper Extended [documentation](#)). *Just to show that it works!*



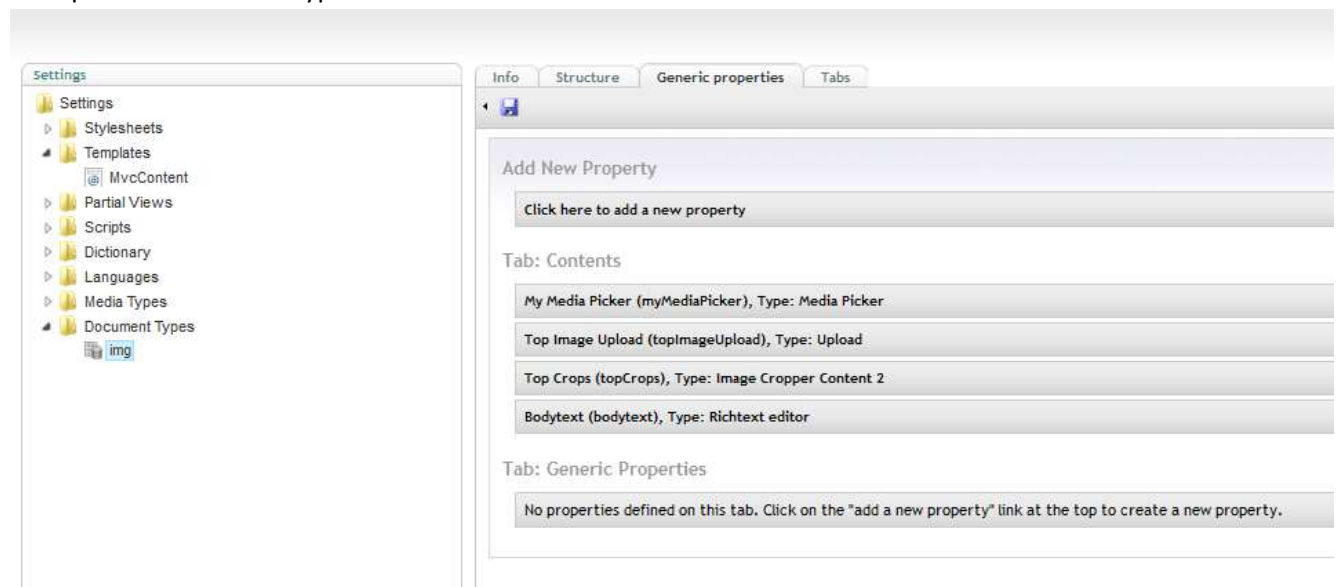
5. Check that your uploaded images are in the cloud ...



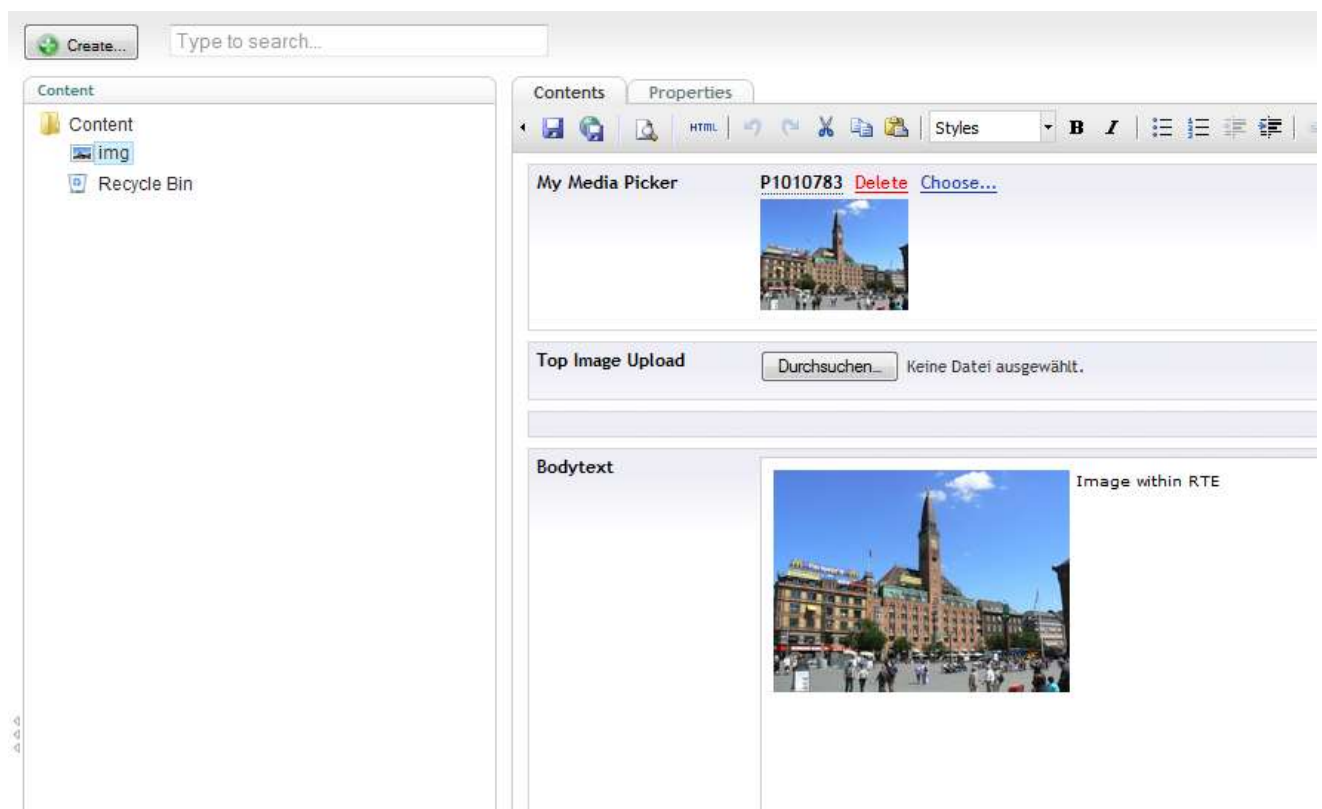
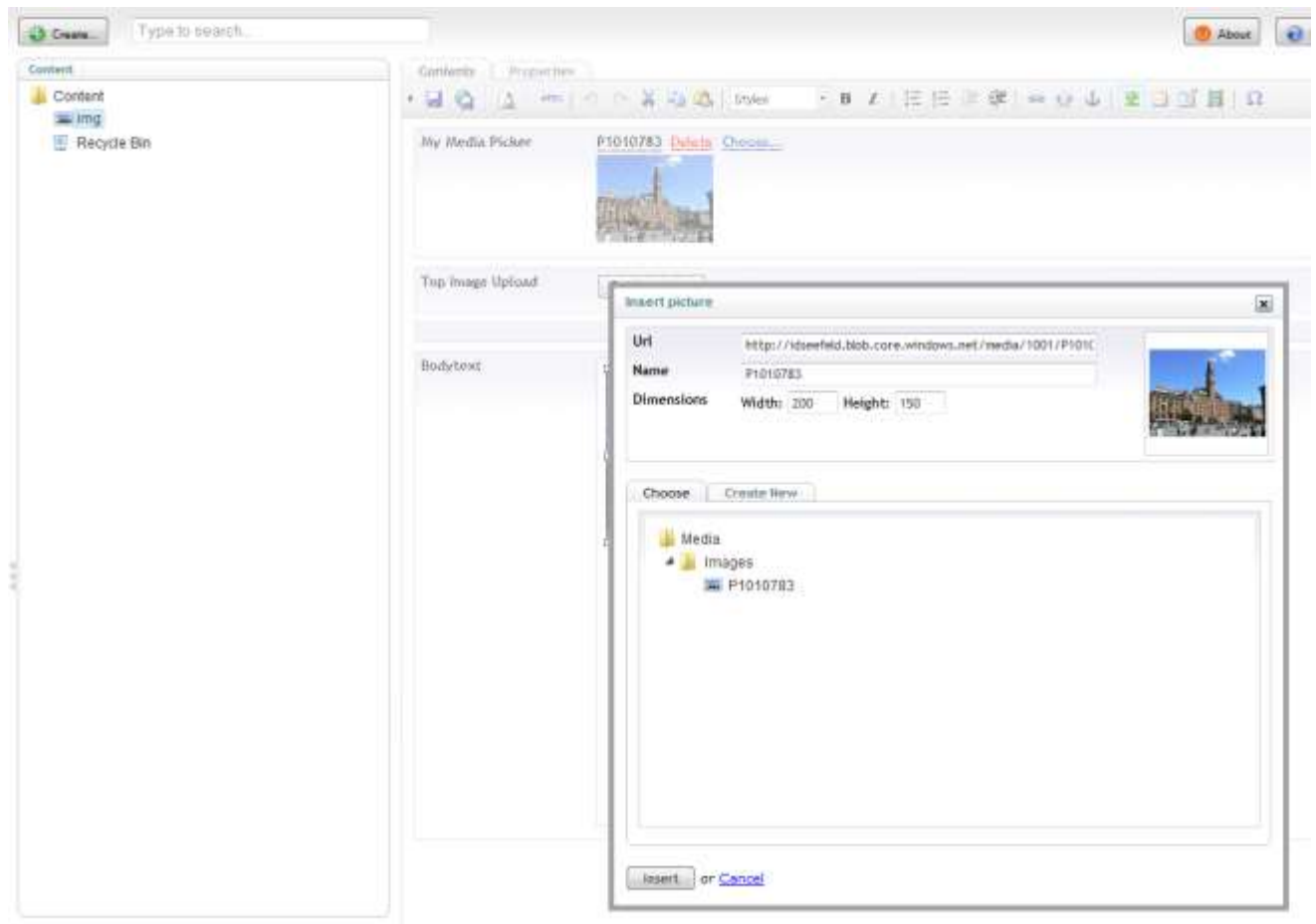
6. ... or explore the html.



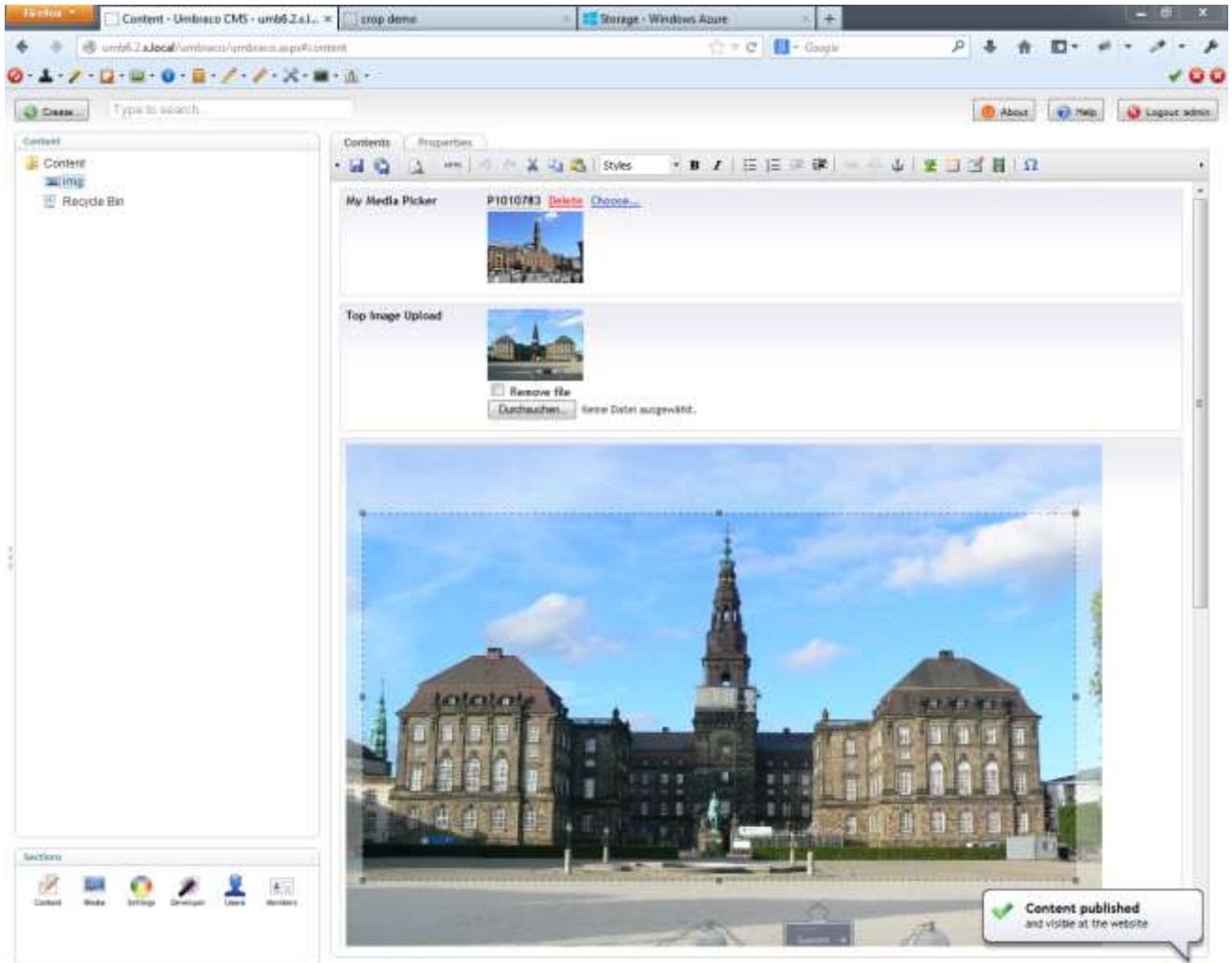
7. Example of a document type



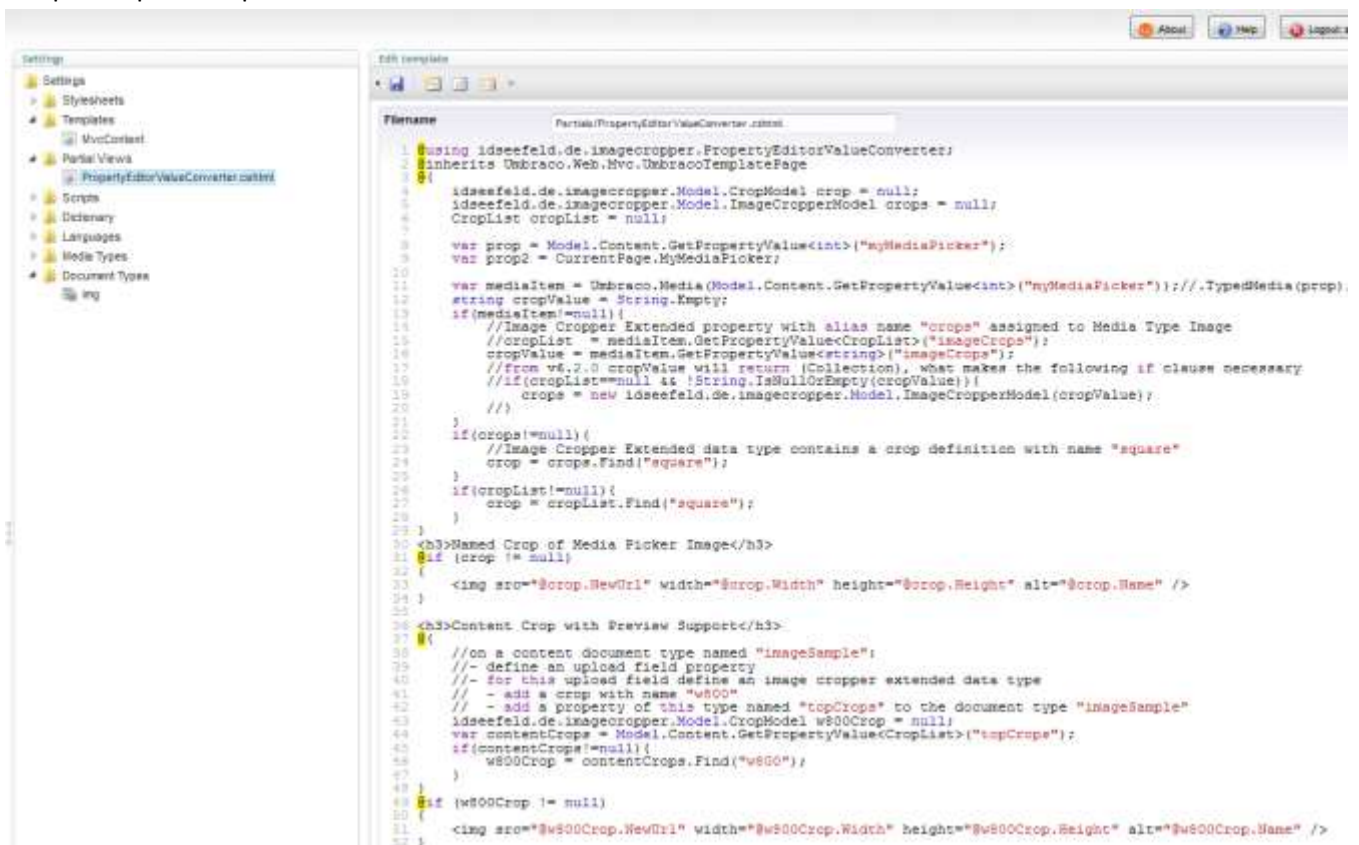
8. Create a node of the *img* document type and choose an image with the media Picker and insert one into the rich text editor.



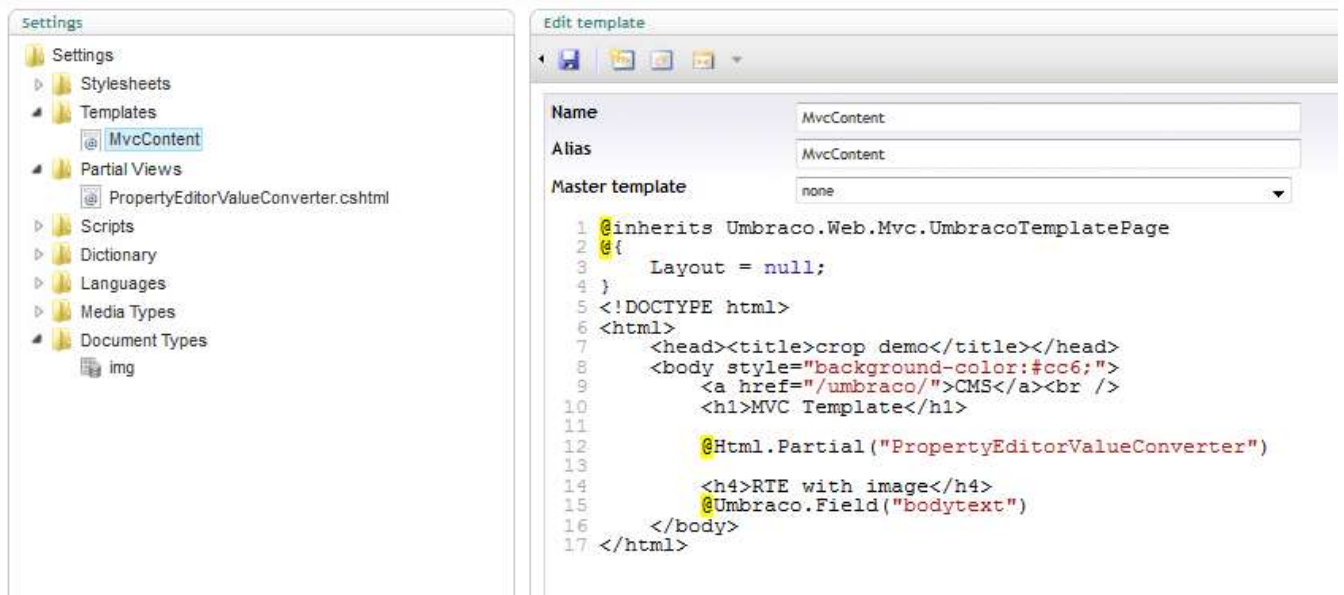
9. Upload another image with the upload, adjust the associated cropper and save & publish the node.



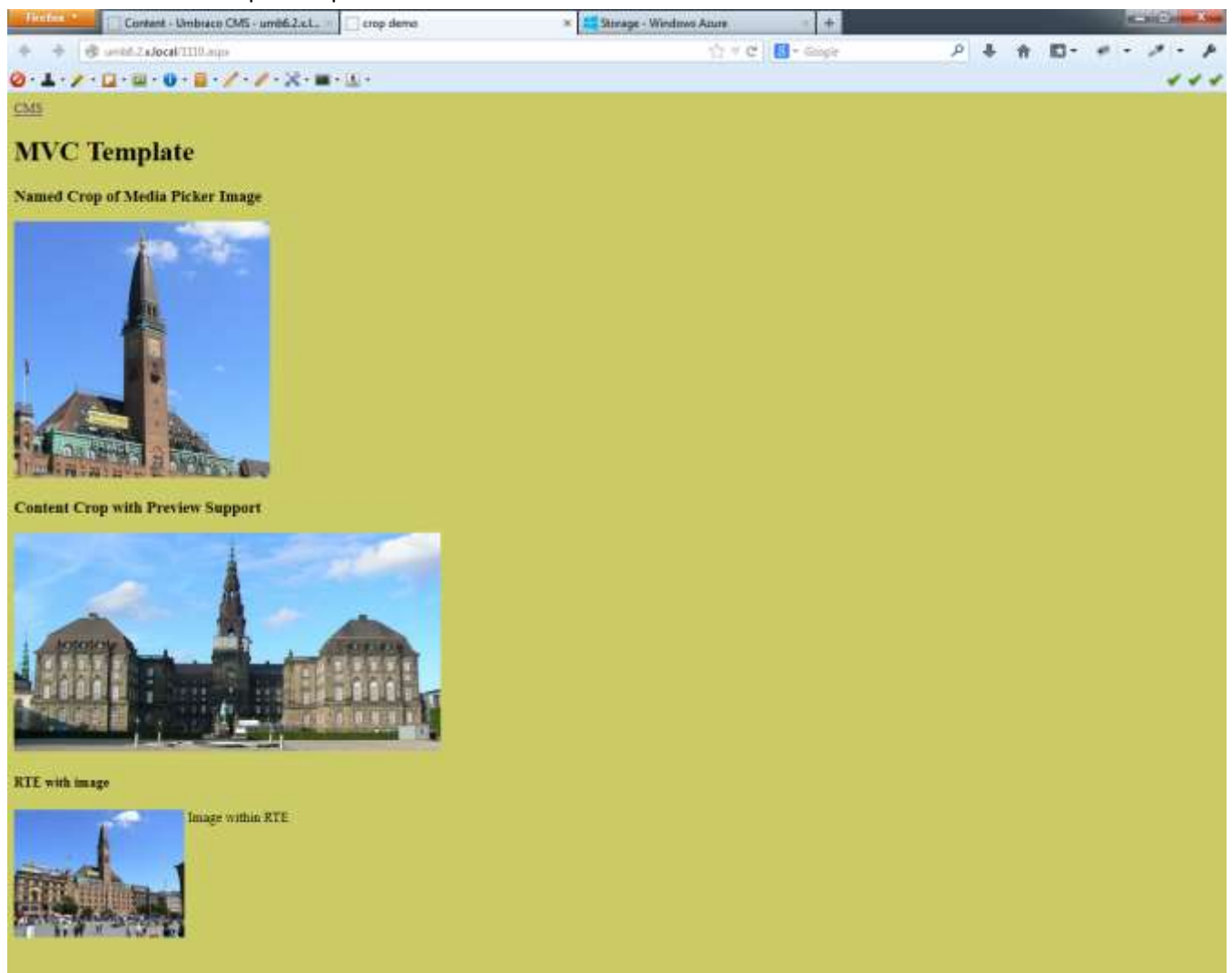
10. Sample scripts for a partial view ...



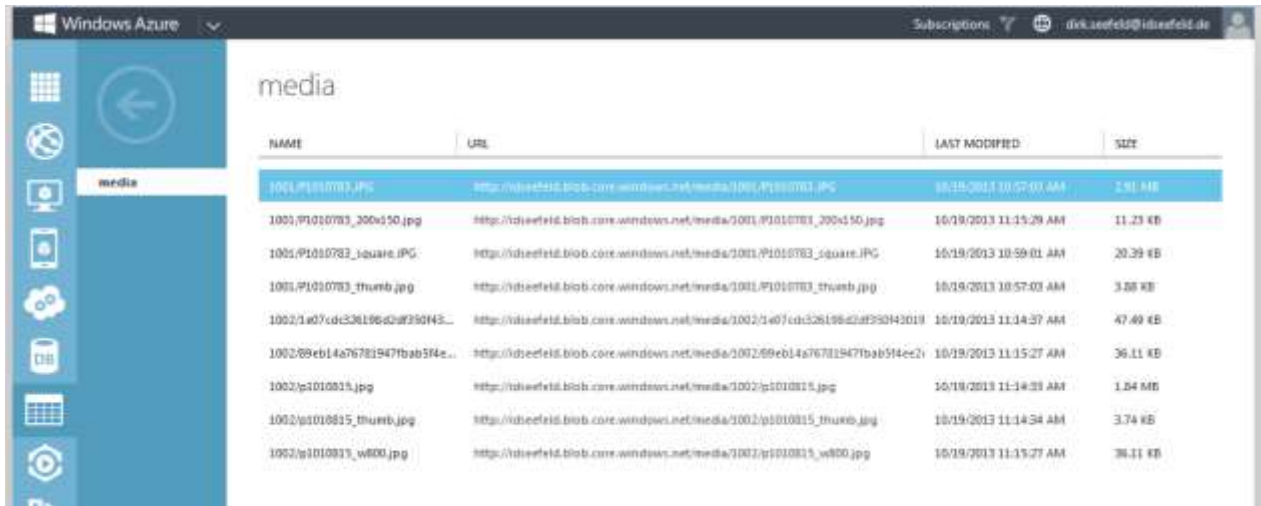
... and one for the MVC template, available in the documentation section of the [package download page](#).



11. Result view of the sample template.



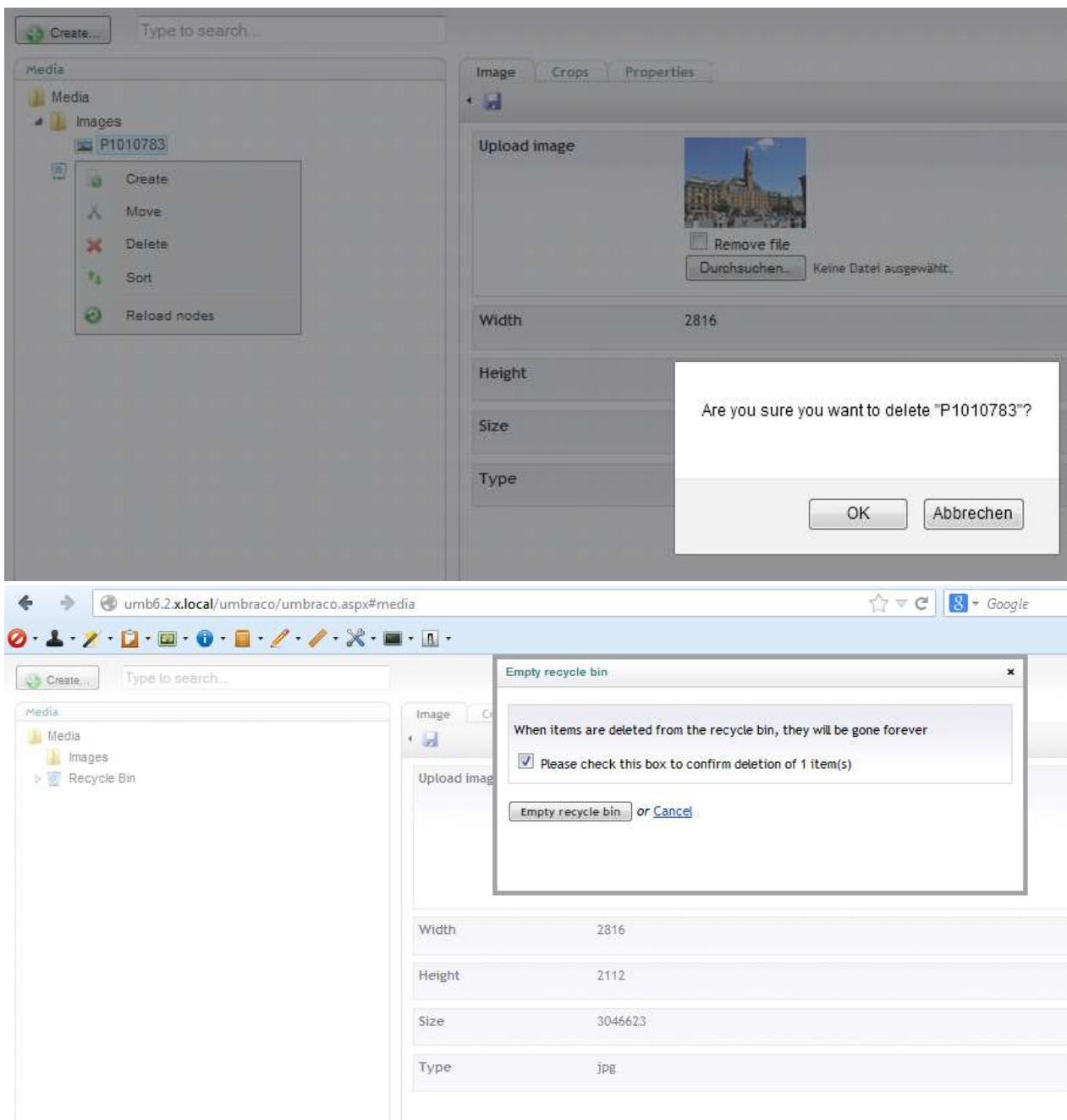
12. List of uploaded files.



The screenshot shows the Windows Azure Media gallery interface. On the left is a navigation pane with icons for various services. The main area is titled 'media' and displays a table of uploaded files. The table has four columns: NAME, URL, LAST MODIFIED, and SIZE. The first row is highlighted in blue.

NAME	URL	LAST MODIFIED	SIZE
1001/P1010783.JPG	http://ideefeld.blob.core.windows.net/media/1001/P1010783.JPG	10/19/2013 10:57:01 AM	2.91 MB
1001/P1010783_200x150.jpg	http://ideefeld.blob.core.windows.net/media/1001/P1010783_200x150.jpg	10/19/2013 11:15:29 AM	11.23 KB
1001/P1010783_square.JPG	http://ideefeld.blob.core.windows.net/media/1001/P1010783_square.JPG	10/19/2013 10:59:01 AM	20.39 KB
1001/P1010783_thumb.jpg	http://ideefeld.blob.core.windows.net/media/1001/P1010783_thumb.jpg	10/19/2013 10:57:03 AM	3.06 KB
1002/1a07cd336196d0f350143...	http://ideefeld.blob.core.windows.net/media/1002/1a07cd336196d0f350143019	10/19/2013 11:14:37 AM	47.49 KB
1002/89eb14a76781947fbab514e2...	http://ideefeld.blob.core.windows.net/media/1002/89eb14a76781947fbab514e21	10/19/2013 11:15:27 AM	36.11 KB
1002/p1010815.jpg	http://ideefeld.blob.core.windows.net/media/1002/p1010815.jpg	10/19/2013 11:14:33 AM	1.84 MB
1002/p1010815_thumb.jpg	http://ideefeld.blob.core.windows.net/media/1002/p1010815_thumb.jpg	10/19/2013 11:14:34 AM	3.74 KB
1002/p1010815_w800.jpg	http://ideefeld.blob.core.windows.net/media/1002/p1010815_w800.jpg	10/19/2013 11:15:27 AM	36.11 KB

13. Delete a media item.



The screenshot shows the Umbraco media gallery interface. On the left is a navigation pane with icons for various services. The main area is titled 'Media' and displays a list of uploaded files. The first row is highlighted in blue. A context menu is open over the first row, showing options: Create, Move, Delete, Sort, and Reload nodes. The 'Delete' option is selected. A confirmation dialog box is displayed in the center of the screen, asking 'Are you sure you want to delete "P1010783"?'. The dialog has 'OK' and 'Abbrechen' buttons. Below the dialog, the 'Empty recycle bin' dialog is visible, showing a warning message: 'When items are deleted from the recycle bin, they will be gone forever'. The dialog also has a checkbox labeled 'Please check this box to confirm deletion of 1 item(s)' which is checked. The 'Empty recycle bin' button is highlighted.

Media

- Media
- Images
- P1010783

Create
Move
Delete
Sort
Reload nodes

Upload image

Remove file
Durchsuchen...

Width: 2816
Height: 2112
Size: 3046623
Type: jpg

Are you sure you want to delete "P1010783"?

OK Abbrechen

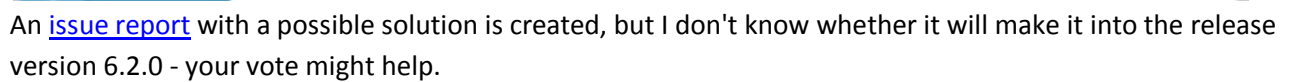
Empty recycle bin

When items are deleted from the recycle bin, they will be gone forever

☒ Please check this box to confirm deletion of 1 item(s)

Empty recycle bin or Cancel

But you can empty the whole recycle bin and all trashed items will be deleted in Azure storage.



Until version 1.0.5 there was a bug that lead to doubled directory names (actually numbers starting with 1001) for different uploads. In case of deleting an item this actually deletes the whole directory, as this is assumed unique for only one item and siblings like thumbnails for images.

Version 1.0.8 writes a control file to the repository with the number of the latest existing media directory in case you have data from a previous version. Otherwise, it contains 0. This prevents “old” incorrectly named blobs from deletion. Of course, this is only a work-a-round. However, it is the best solution I could figure out so far.